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File: DWPI

Dec 10, 1991

DERWENT-ACC-NO: 1992-030706

DERWENT-WEEK: 199204

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TITLE: Nonwoven sheet having high tensile strength used for filters, etc. - has fibre sheet formed from polyethylene-polypropylene fine fibre and coarse fibre contg. at least one pt. of polymers

## PATENT-ASSIGNEE:

ASSIGNEE

CODE

ASAHI CHEM IND CO LTD

ASAH

PRIORITY-DATA: 1990JP-0071878 (March 23, 1990)

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## PATENT-FAMILY:

PUB-NO

PUB-DATE

LANGUAGE

PAGES

MAIN-IPC

☐JP 03279452 A

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## APPLICATION-DATA:

PUB-NO

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DESCRIPTOR

JP 03279452A

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INT-CL (IPC): D01F 6/04; D01F 8/06; D04H 1/54; D06M 10/00

ABSTRACTED-PUB-NO: JP 03279452A

## BASIC-ABSTRACT:

Non-woven sheet is a fibre sheet comprising blending very fine fibre consisting of polyethylene(PE) and polypropylene(PP) with a fibre contg. at least one part PE or PP and having coarser average fibre size than that of the very fine fibre at a random state. The coarse fibre and the very fine fibre should be at least partially combined. The fibre is then subjected to electret processing to form the sheet. The PE has melt flow rate of more than 30 and the PP has melt flow rate of more than 50. Average fibre size of the very fine fibre is 0.1-8.0 microns. The non-woven sheet after electret processing, has surface electric charge density of more than 2 x 10 power(-10) coulomb.

USE/ADVANTAGE - Sheet has good high tensile strength without reducing of filtering, bacteria-barrier properties, stain-absorbing, liq.-absorbing and heat-insulating properties. It is pref. used for a filter, wiper or wrapping materials.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: NONWOVEN SHEET HIGH TENSILE STRENGTH FILTER FIBRE SHEET FORMING  
POLYETHYLENE POLYPROPYLENE FINE FIBRE COARSE FIBRE CONTAIN ONE POLYMER

DERWENT-CLASS: A17 A94 F04

CPI-CODES: A04-G02E1; A04-G03E; A07-A02; A07-A04; A11-C04E; A12-S05G; A12-S05U;  
F02-C01; F03-C;

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0218 0231 0239 0248 2486 2528 2553 2562 2569 2635 2654 2665 2703 2763  
2774 2820 3255

Multipunch Codes: 014 04- 040 041 046 047 050 32& 381 437 481 483 506 511 512 514  
532 533 540 551 567 57& 573 575 596 604 606 641 664 665 666 688 720 023 023 024 248  
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SECONDARY-ACC-NO:

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